

Abstract of the Disclosure

- 5 In the Internet, a domain can be multi-homed to a first and a second domain by a first path and a second path, respectively. If one of the first or second paths becomes unavailable, a path still remains to communicate with a host attached to the multi-homed domain. However, due to the requirements of IPv6 in relation to allocating addresses to domains, packets received via the
10 remaining path during a communication will not be recognised by the host at a transport layer. Therefore, the present invention overcomes this problem by making use of a dynamic address variation facility of IPv6 used for mobile nodes. The dynamic address variation facility also, advantageously, can act as a replacement for a content switch and can maintain communication of
15 packets to and from the host as a result of a change of IP address of the host caused by, for example, an administrative need to change the IP address of the host.

(Figure 1)

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